HERITAGE TRAIL

THE GREATER BILLINGS NON-MOTORIZED TRAIL SYSTEM

APPENDIX H

Construction Cost Estimates
for Priority Projects

Construction Cost Estimates for Priority Multi-Use Trails (Based on 2003 Construction Costs)

Number	Trail Name	Length (miles)	Length (ft)	Trail Width (ft)	Area (sq ft)	Trail Construction Cost ($/sq ft)		Total Construction Cost ($/sp ft)		Total Cost of Crossings (see below)		Total Landscaping Cost (see below)		Total Trail Cost		Total Trail Cost (rounded)	
						Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper
1	Riverfront Trail	1.8	9504.0	10	95040	$2.50	$3.00	$237,600	$285,120	$0	$0	$22,810	$28,512	$260,410	$313,632	$260,000	$315,000
2	Blue Creek Trail	3.0	15840.0	10	158400	$2.50	$3.00	$396,000	$475,200	$55,000	$78,000	$38,016	$47,520	$489,016	$600,720	$490,000	$600,000
3	Downtown Railroad Trail	5.4	28512.0	10	285120	$2.50	$3.00	$712,800	$855,360	$2,000,000	$2,400,000	$68,429	$85,536	$2,781,229	$3,340,896	$2,780,000	$3,340,000
4	Alkali Creek Trail	2.4	12672.0	10	126720	$2.50	$3.00	$316,800	$380,160	$1,515,000	$1,818,000	$30,413	$38,016	$1,862,213	$2,236,176	$1,860,000	$2,235,000
5	BBWA Northwest Trail	4.0	21120.0	10	211200	$2.50	$3.00	$528,000	$633,600	$80,000	$120,000	$50,688	$63,360	$658,688	$816,960	$660,000	$815,000
6	BBWA Westend Trail	3.4	17952.0	10	179520	$2.50	$3.00	$448,800	$538,560	$50,000	$80,000	$43,085	$53,856	$541,885	$672,416	$540,000	$670,000
7	BBWA Heights Trail	3.8	20064.0	10	200640	$2.50	$3.00	$501,600	$601,920	$40,000	$60,000	$48,154	$60,192	$589,754	$722,112	$590,000	$720,000
8	Zimmerman Trail	1.0	5280.0	10	52800	$8.00	$12.00	$422,400	$633,600	$0	$0	$12,672	$15,840	$435,072	$649,440	$435,000	$650,000
9	Big Ditch Trail	2.9	15312.0	10	153120	$2.50	$3.00	$382,800	$459,360	$0	$0	$36,749	$45,936	$419,549	$505,296	$420,000	$505,000
10	Bridal Moon Trail	1.5	7920.0	10	79200	$3.00	$5.00	$237,600	$396,000	$40,000	$60,000	$19,008	$23,760	$296,608	$479,760	$300,000	$480,000

Crossings

Number	Trail Name	# of Grade Sep. Street/RR Crossings	Cost of Grade Sep. Crossings		# of At-grade Street Crossings	Cost of At-grade Crossings		# of Ditch/ Creek Crossings	Cost of Grade Sep. Crossings		Total Cost of Crossings	
			Lower	Upper		Lower	Upper		Lower	Upper	Lower	Upper
1	Riverfront Trail	0	$0	$0	0	$0	$0	0	$0	$0	$0	$0
2	Blue Creek Trail	0	$0	$0	1	$40,000	$60,000	1	$15,000	$18,000	$55,000	$78,000
3	Downtown Railroad Trail	4	$2,000,000	$2,400,000	0	$0	$0	0	$0	$0	$2,000,000	$2,400,000
4	Alkali Creek Trail	1	$1,500,000	$1,800,000	0	$0	$0	1	$15,000	$18,000	$1,515,000	$1,818,000
5	BBWA Northwest Trail	0	$0	$0	2	$80,000	$120,000	0	$0	$0	$80,000	$120,000
6	BBWA Westend Trail	0	$0	$0	2	$50,000	$80,000	0	$0	$0	$50,000	$80,000
7	BBWA Heights Trail	0	$0	$0	1	$40,000	$60,000	0	$0	$0	$40,000	$60,000
8	Zimmerman Trail	0	$0	$0	0	$0	$0	0	$0	$0	$0	$0
9	Big Ditch Trail	0	$0	$0	0	$0	$0	0	$0	$0	$0	$0
10	Bridal Moon Trail	0	$0	$0	1	$40,000	$60,000	0	$0	$0	$40,000	$60,000

Landscaping

Number	Trail Name	Length (miles)	Length (ft)	Width of Landscape Area (ft)	Landscape Area (sq ft)	Landscaping Cost ($/sq ft)		Total Landscaping Cost	
						Lower	Upper	Lower	Upper
1	Riverfront Trail	1.8	9504.0	10	95040	$0.24	$0.30	$22,810	$28,512
2	Blue Creek Trail	3.0	15840.0	10	158400	$0.24	$0.30	$38,016	$47,520
3	Downtown Railroad Trail	5.4	28512.0	10	285120	$0.24	$0.30	$68,429	$85,536
4	Alkali Creek Trail	2.4	12672.0	10	126720	$0.24	$0.30	$30,413	$38,016
5	BBWA Northwest Trail	4.0	21120.0	10	211200	$0.24	$0.30	$50,688	$63,360
6	BBWA Westend Trail	3.4	17952.0	10	179520	$0.24	$0.30	$43,085	$53,856
7	BBWA Heights Trail	3.8	20064.0	10	200640	$0.24	$0.30	$48,154	$60,192
8	Zimmerman Trail	1.0	5280.0	10	52800	$0.24	$0.30	$12,672	$15,840
9	Big Ditch Trail	2.9	15312.0	10	153120	$0.24	$0.30	$36,749	$45,936
10	Bridal Moon Trail	1.5	7920.0	10	79200	$0.24	$0.30	$19,008	$23,760